

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 79-115

WASTE DISCHARGE REQUIREMENTS FOR:

AMERICAN CANYON SANITARY LAND-FILL CO., INC.
CLASS II-2 SOLID WASTE DISPOSAL SITE
NAPA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board) finds that:

1. The American Canyon Solid Waste Disposal Site is owned and operated by the American Canyon Sanitary Land-Fill Co., Inc. (hereinafter called the discharger) for disposal of group 2 and 3 wastes. The Board previously adopted Waste Discharge Requirements for this site in Order No. 68-24 on April 30, 1968.
2. The site is located on a marshland flood plain along the east bank of the Napa River off Eucalyptus Drive at Napa Junction, as shown on Attachment A which is made a part of this Order. The site has historically been divided into three sections, Phase I, II, and III as shown on Attachment A. Approximately 40 acres on the western side of the Phase I area and some acreage along the western levee of Phase II have been filled. The discharger presently has a pending application to the Army Corps of Engineers for permission to fill Phase II and III and approximately 5½ unfilled acres in the Phase I area.
3. The entire site is underlain by silty clays commonly known as Bay Mud, a substrate generally considered to be highly impermeable, from a minimum depth of 19 to over 50 feet below ground surface. Poor quality perched water exist within 2 feet of ground surface. Surface water in close proximity to the site includes the Napa River (a tributary of San Pablo Bay) along the western boundary and intermittent drainage channels which drain to the Napa River on the three remaining boundaries and transecting the Phase II and III areas.
4. The beneficial uses of the Napa River and San Pablo Bay are:
 - a. Habitat and resting for waterfowl
 - b. Fish habitat
 - c. Recreation
 - d. Aesthetic enjoyment
5. Land within 1000 feet of the current active area as shown on Attachment A is used for livestock grazing, grain crops, marshland, and salt ponds.

6. Subsequent to the modifications necessary to comply with this Order, this disposal site will meet the criteria contained in the California Administrative Code, Title 23, Chapter 3, Subchapter 15, for classification of the site as a Class II-2 disposal site to receive Group 2 and 3 wastes.
7. The Board adopted a Water Quality Control Plan for the San Francisco Bay Basin in April 1975 and this Order implements the Water Quality Objectives stated in that Plan.
8. This Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
9. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.
10. This project involves the continued operation of a privately owned Class II-2 facility with minor alterations to the land. Consequently, this project will not have a significant effect on the environment based upon the exemption provided in Section 15104, Title 14, California Administrative Code.

IT IS HEREBY ORDERED that American Canyon Sanitary Land-Fill Co., Inc., and any other person who owns or operates this site shall comply with the following:

A. Waste Disposal Specifications

1. The disposal of waste shall not cause pollution or a nuisance.
2. Group 2 wastes shall not be placed in or allowed to contact ponded water from any source whatsoever.
3. Group 1 wastes shall not be stored or deposited at this site.
4. Waste materials shall not be disposed of in any location where they can be carried from the disposal site and discharged into waters of the State.
5. Sewage sludge and high moisture content group 2 wastes shall not be discharged at the site unless authorized in writing by the Executive Officer of this Board.
6. The discharger shall remove and relocate any wastes which are disposed of at this site in violation of the above requirements.
7. Wastes shall not be deposited outside the existing active area as shown on Attachment A without the approval of this Board.

B. Leachate and Drainage Specifications

1. Leachate from group 2 wastes and ponded water containing leachate or in contact with refuse shall not be discharged to waters of the State.
2. Water used during disposal site operation shall be limited to a minimal amount reasonably necessary for dust control and fire suppression.
3. The disposal area shall be protected from any washout or erosion of wastes or covering material, and from inundation, which could occur as a result of floods having a predicted frequency of one in 100 years.
4. Vertical and lateral hydraulic continuity with usable ground waters shall be prevented by the presence of a soil barrier above the ground water at least five feet in thickness and a permeability of 1×10^{-6} cm/sec or less or the equivalent.
5. Surface drainage from tributary areas, and internal site drainage from surface or subsurface sources shall not contact or percolate through group 2 wastes during disposal operation and for the active life of the site. The perimeter drainage ditches and all other facilities shall be designed to convey maximum anticipated storm runoff, and withstand differential settlement. These facilities shall be constructed over a natural ground or through lined channel or pipes.
6. Leachate volumes contained in leachate sumps shall be maintained with a minimum of three feet of freeboard year around.
7. The discharge of waste shall not cause the following conditions to exist in waters of the State at any place:
 - a. Surface water
 1. Floating, suspended, or deposited macroscopic particulate matter or foam;
 2. Bottom deposits or aquatic growth;
 3. Alteration of temperature, turbidity, or apparent color beyond present natural background levels;
 4. Toxic or other deleterious substances to be present in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.
 - b. Ground water

Any useable ground water shall not be degraded as a result of the solid waste disposal operation.

8. The migration of methane gas from the disposal site shall be controlled as necessary to prevent the creation of nuisance.

C. Provisions

1. For the existing disposal area, the discharger shall comply with all portions of this Order except specification B.3 immediately upon adoption of this Order.
2. The discharger shall submit a report by October 10, 1979, documenting compliance with Section B.3 of this Order. If compliance cannot be documented then the discharger shall achieve compliance according to the following time schedule.

<u>Task</u>	<u>Compliance Date</u>
a. Submit plan and time schedule	by November 30, 1979
b. Progress Report I	by May 1, 1980
c. Progress Report II	by August 1, 1980
d. Full Compliance	by November 1, 1980

The plan and time schedule submitted by October 31, 1979, shall allow the discharger to comply with Section B.3 of this Order by November 1, 1980, whether or not the Corps of Engineers permit request is resolved.

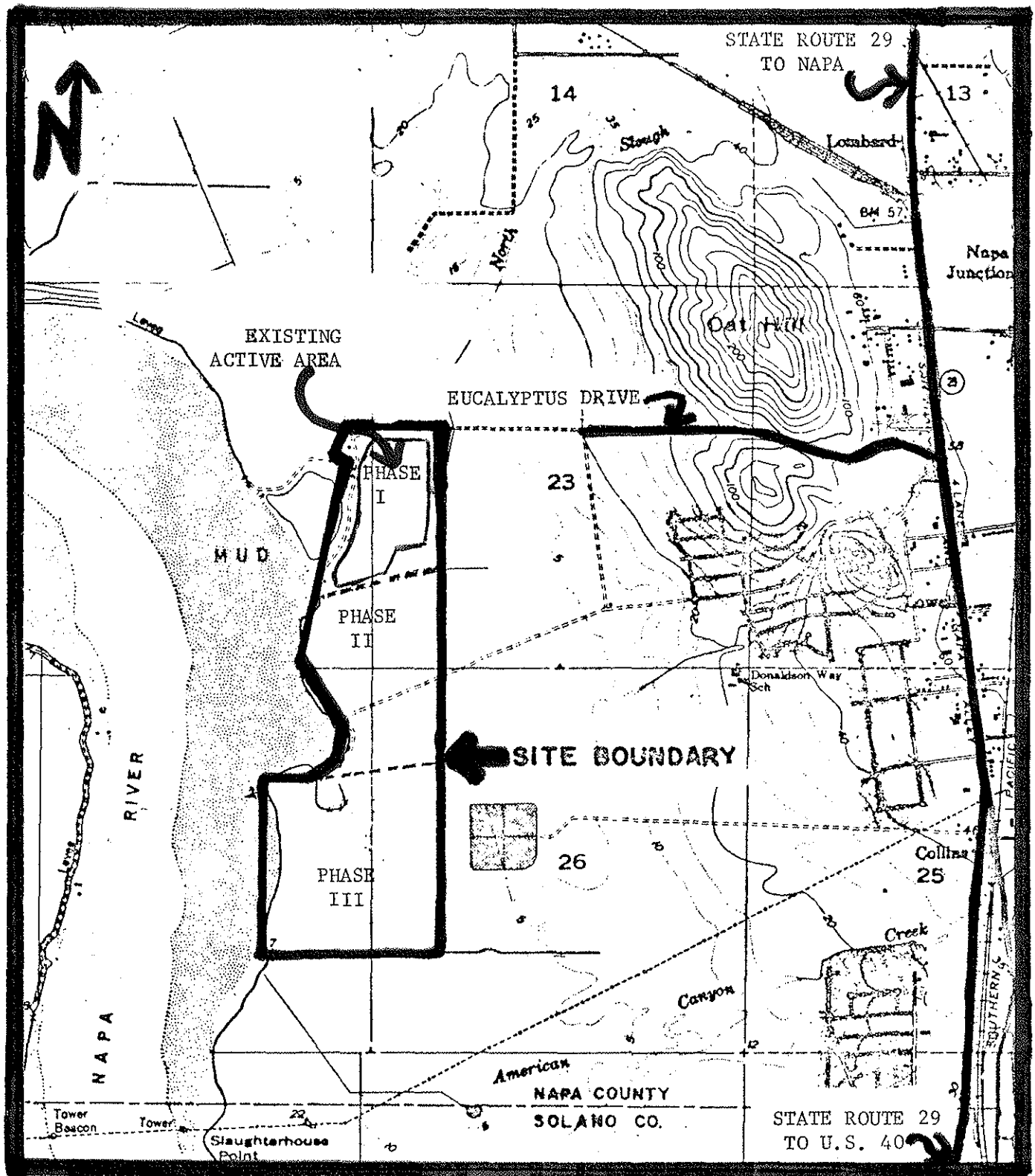
3. The discharger(s) shall submit a site closure plan to the Board no later than February 1, 1981, which shall conform to Resolution No. 77-7 adopted by this Board. The closure plan shall also include a complete site operations manual which provides for methods of extinguishing subsurface fires, the location of the current active disposal areas, location of future disposal areas with approximate schedule of utilization and methods of deposition, compaction and covering of wastes.
4. The discharger shall insure that slope stability of this site is maintained under conditions generated during maximum probable earthquake. To accomplish this objective the discharger shall submit slope stability analyses satisfactory to the Executive Officer specifying the maximum height and slope of the fill necessary to insure slope stability and the proposed implementation plan. This analysis and implementation plan shall be submitted no later than September 30, 1979.
5. All plans and technical reports described in Provisions C.2, C.3, and C.4 above shall be prepared by a certified engineering geologist or a registered engineer.

6. Disposal of waste outside the present active area shall not commence without approval of this Board. This approval shall be based on a demonstration that the area will comply with all applicable specifications of this Order and that all necessary environmental documents on the proposed new area be certified.
7. The discharger shall maintain a copy of the Order at the site or office so as to be available at all times to site operating personnel.
8. The discharger shall file with this Board a report of any material change or proposed change in the character, location or quantity of this waste discharge. For the purpose of these requirements, this includes any proposed change in the boundaries, contours or ownership of the disposal area.
9. This Board considers the property owner to have a continuing responsibility for correcting any problems which may arise in the future as a result of this waste discharge or water applied to this property during subsequent use of the land for other purposes.
10. The discharger shall file with the Board technical reports or self-monitoring work performed according to the detailed specifications contained in any Monitoring and Reporting Program which may be directed by the Executive Officer.
11. The discharger shall permit the Regional Board:
 - (a) Entry upon premises on which waste are located or in which any required records are kept,
 - (b) Access to copy any records required to be kept under terms and conditions of this Order,
 - (c) Inspection of monitoring equipment or records, and
 - (d) Sampling of any discharge.
12. This Board's Order No. 68-24 is hereby rescinded.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on September 18, 1979.

Enclosure:
Attachment A

FRED H. DIERKER
Executive Officer



STATE OF CALIFORNIA
REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

AMERICAN CANYON
CLASS II-2 SOLID WASTE DISPOSAL SITE
NAPA JUNCTION, NAPA COUNTY

ATTACHMENT A

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